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RRR
RRR
RRR
RRR
RRR
                                   FFF
FFF
FFF
FFF
FFF
                 RRR
RRR
RRR
                              RRR
RRR
RRR
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Va

| UU | UU | 11111111111 | UU | UU | DDDDDDDD | RRRRRRR | | 111111 | vv | vv | | RRRR |
|----|--------|-------------|----------|----|----------|----------|----------|--------|----|----|----------|----------|
| UU | UU | 11111111111 | UU | UU | DDDDDDDD | RRRRRRRR | | Hiim | VV | VV | | RRRR |
| UU | UU | ŤŤ | UU | UU | DD DD | RR RR | RR RR | †† | VV | VV | RR | RR RR |
| UU | ŬÜ | ŤŤ | ŬŬ | ŬŬ | DD DD | RR | RR | ii | VV | VV | RR | RR |
| UU | UU | II | UU | UU | DD DD | RR | RR | II | VV | VV | RR | RR |
| UU | UU | II | UU | UU | DD DD | RRRRRRRR | | 11 | VV | VV | RRRR | RRRR |
| UU | UU | 11 | UU | UU | DD DD | RRRRRRRR | 4 | İİ | VV | VV | | RRRR |
| UU | UU | 11 | UU | UU | DD DD | RR RR | | ++ | VV | VV | RR RR | RR RR |
| ŬÜ | UU | ŤŤ | UU | UU | DD DD | RR RF | | †† | VV | VV | RR | RR |
| UU | UUR | ŤŤ | ŬŬ | ŬŬ | DD DD | RR RF | | îî | VV | VV | RR | RR |
| | JUUUUU | ŤŤ | UUUUUUUU | | DDDDDDDD | RR | RR | 111111 | V | | RR | RR |
| | JUUUUU | TT | UUUUUUUU | | DDDDDDDD | RR | RR | IIIIII | Ý | | RR | RR |

| LL | HHHH | \$\$\$\$\$\$\$\$ \$\$\$\$\$\$\$\$ |
|-----------|--------|--------------------------------------|
| LL LL | ij | SS SS |
| LL | ii | SSSSSS |
| LL | ii | \$\$\$\$\$\$ \$\$ \$\$ |
| LL | !! | \$\$ |
| LLLLLLLLL | 111111 | 2222222 |

Version: 'V04-000'

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Author Brian Porter

Creation date 10-FEB-1982

Functional description:

This module displays entries logged by MSCP disks (dudriver) and and MSCP tapes (tudriver).

Modified by:

V03-007 EAD0200 Elliott A. Drayton 23-Jul-1984 Added code to mark the begining of the intervening entries.

V03-006 SAR0272 Sharon A. Reynolds 18-Jun-1984 - Re-structured and re-named the routines in this module to handle disk or tape MSCP entries for the addition of TMSCP support.

V03-005 SAR0197 20-Feb-1984 Sharon A. Reynolds. Added an SYE update that:
- Removed 'invalid mscp command end message'.

V03-004 SAR0157 Sharon A. Reynolds, 12-0ct-1983 Added an SYE update that:

- adds an extra arguement to the 'dudriver_mscp_dispatcher' routine.

adds an extra arguement to the call for the 'dudriver_mscp_dispatcher' routine.
 adds an extra arguement to the calls for several routines that reside in 'mscp.for'.

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00318
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                                                               V03-003 SAR0072
                                                                                               SAR0072 Sharon A. Reynolds, 20-Jun-1983 Changed the carriage control in the 'format' statements
                                                                                               for use with ERF.
                                                               v03-002 BP0002
                                C
                                                                                                                                                           Brian Porter,
                                                                                                                                                                                                                                                        08-FEB-1983
                                                                                               Corrected argument list to erllogmsq2.
                                C
                                C
                                                               v03-001 BP0001
                                                                                                                                                           Brian Porter,
                                                                                                                                                                                                                                                        19-APR-1982
                                                                                              Made changes to accommodate invalid command mscp messages.
                              C**
                                                               Subroutine DISK_TAPE_DRVR_MSCP_DISPATCHER (lun,option,recent, 1 mount_flag_and_label,record_length,queue_count)
                                                              include 'src$:msghdr.for /nolist'
include 'src$:emblmdef.for /nolist'
include 'src$:embspdef.for /nolist'
                                                              byte
                                                                                                                             Lun
                                                              character*1
                                                                                                                            option
                                         This value RECCNT is not the record number of the entry just read from the errlog.sys file it is the value which was saved in the queue when this routine is called by _DQ. integer*4 recont
                                                                                                                           mount_flag_and_label
record_length
queue_count
packet_length
                                                               integer*4
                                                               integer*4
                                                                Integer*4
                                                               Integer*4
                                                                                                                            mslg$b_format
(emb(46),mslg$b_format)
                                                              equivalence
                                                              if (emb$w_hd_entry .eq. 100) then
                                                                                                                                                                                                                                                       ! Logmessage entry
                                      Determine whether to output the long or short header and call
                                      the appropriate routine.
                                                               If (queue_count .EQ. 1) then
                                                              Call FRCTOF (lun)
Call HEADER2 (lun, recent)
                                                              Else
                                                               Call HEADER3 (lun, recent)
                                                              Endif
0351
0352
                                                              Call LOGGER (lun, 'ERL$LOGMESSAGE ENTRY')
```

if (option .eq. 'S') then Call SDI_STI_ERRORS (lun.packet_length) else if (mslg\$b_format .eq. 4) then ! Small Disk error if (option .eq. 'S') then
Call MSLG\$K_SML_DSK (lun,packet_length) endif

Unknown format type, call a routine that will decode/output the header information and dump the rest of the packet in a hex longword format.

> Call ERLLOGMSG2 (lun, record length) endif

else

else if (emb\$w_hd_entry .eq. 99) then ! Logstatus entry

```
M 16
16-Sep-1984 00:20:36
5-Sep-1984 13:54:29
DISK_TAPE_DRVR_MSCP_DISPATCHER
                                                                                                                                                    VAX-11 FORTRAN V3.4-56
DISK$VMSMASTER: [ERF.SRC]DUTUDRIVR.FOR; T
0410
0411
0412
0413
0414
0415
0416
0417
0418
0421
0423
0423
0423
0426
0427
0428
                Determine whether to output the long or short header and call
                the appropriate routine.
                           If (queue_count .EQ. 1) then Call FRCTOF (lun) Call HEADER2 (lun, recent)
                           Else Call HEADER3 (lun, recent) Endif
                           Call LOGGER (lun. 'ERL$LOGSTATUS ENTRY')
                           Call DHEAD3 (lun, 1/0', emb$b_sp_namlng, emb$t_sp_name, emb$w_sp_unit,
                           1 mount_flag_and_label)
                           Call ERLLOGSTS2 (lun) endif
                           return
                           end
PROGRAM SECTIONS
      Name
                                                                     Bytes
                                                                                  Attributes
                                                                                  PIC CON REL LCL SHR NOEXE PIC CON REL LCL NOSHR NOEXE PIC OVR REL GBL SHR NOEXE
                                                                                                                                     RD NOWRT LONG
RD NOWRT LONG
RD WRT LONG
   O SCODE
      SPDATA
      $LOCAL
                                                                         164
   3 EMB
                                                                                                                                              WRT
      Total Space Allocated
                                                                       1147
ENTRY POINTS
      Address Type Name
   0-00000000
                                DISK_TAPE_DRVR_MSCP_DISPATCHER
VARIABLES
      Address Type
                              Name
                                                                                             Address Type
                                                                                                                      Name
                               EMB$B_LM_CLASS
EMB$B_LM_TYPE
EMB$B_SP_NAMLNG
EMB$L_HD_SID
EMB$L_SP_CHAR
EMB$L_SP_IOSB1
EMB$L_SP_MEDIA
EMB$L_SP_OWNUIC
                                                                                                                     EMB$B_LM_NAMLNG
EMB$B_SP_CLASS
EMB$B_SP_TYPE
EMB$L_SP_BCNT
EMB$L_SP_CMDREF
EMB$L_SP_IOSB2
EMB$L_SP_OPCNT
EMB$L_SP_RQPID
                       L+1
                       L+1
                                                                                                              L+1
                        1+4
                                                                                                              1 = 4
                        1 = 4
                                                                                                              1+4
                        1+4
                                                                                                               1 +4
                        1 =4
```

| 3-00000015 CHAR EMBST_LM_NAME 3-0000004 I+2 EMBSW_HD_ENTRY 3-00000024 I+2 EMBSW_LM_MSGTYP | 16-Sep-1984 00:20 5-Sep-1984 13:54 3-00000041 CHAR EMB\$T_SP_NA 3-0000000E I*2 EMB\$W_HD_ER 3-00000012 I*2 EMB\$W_LM_UN 3-00000030 I*2 EMB\$W_SP_ER 3-00000032 I*2 EMB\$W_SP_ST_ST | | AX-11 FORTRAN V3.4-56 Page ISK\$VMSMASTER: [ERF.SRC]DUTUDRIVR.FOR; 1 |
|---|--|--------|--|
| 3-00000015 CHAR EMB\$T_LM_NAME 3-00000004 I*2 EMB\$W_HD_ENTRY 3-00000024 I*2 EMB\$W_LM_MSGTYP 3-00000012 I*2 EMB\$W_SP_BOFF 3-00000028 I*2 EMB\$W_SP_FUNC 3-0000002A I*2 EMB\$W_SP_UNIT AP-000000100 I*4 MOUNT_FLAG_AND_LABEL AP-000000180 I*4 QUEUE_COUNT AP-000000140 I*4 RECORD_LENGTH | 3-00000030 I+2 EMB\$W_SP_ER 3-00000032 I+2 EMB\$W_SP_ST AP-00000004a L+1 LUN 3-0000002E L+1 MSLG\$B_FORM 2-00000000 I+4 PACKET_LENG AP-00000000Ca I+4 RECCNT | | |
| RRAYS | | | |
| Address Type Name | Bytes Dimensions | | |
| 3-00000000 L*1 EMB 3-00000026 L*1 EMB\$B_LM_MSGTXT 3-00000006 I*4 EMB\$Q_HD_TIME | 512 (0:511) 460 (460) 8 (2) | | |
| UNCTIONS AND SUBROUTINES REFERENCED | | | |
| Type Name | Type Name | Type N | lame |
| DHEAD3 ERLLOGSTS2 HEADER3 MSLG\$K_CNT_ERR | DISK_TAPE_TRANSFER_ERRORS FRCTOF LOGGER MSLG\$K_SML_DSK | H | RLLOGMSG2 HEADER2 HSLG\$K_BUS_ADDR HDI_STI_ERRORS |

PR

EN

VA

Since mscp error log entries are delivered from the port via the datagram service it is possible for them to be delivered out of sequence or duplicated. It is the responsibility of this queue to collect all entries containing the same command reference for a given cpu together. They are placed in order of error log entry type. The format of the elements are as follows flink1 blink1 logging sid root command reference flink root command reference blink command reference entry count flink2 blink2 command reference number root_emb\$\$w_hd_entry_flink root_emb\$\$w_hd_entry_blink emb\$\$w_hd_entry count flink3 blink3 emb\$\$w_hd_entry error log record number error log record size (bytes)

error log record

TI

6

L

FL

CC

*1

7

equivalence

```
mounted flag
mounted volume label (if any)
```

Subroutine DISK_TAPE_DRIVERS_MSCP_Q (record_length,reccnt, 1 search_command_reference_number)

include 'src\$:msghdr.for /nolist'
include 'src\$:emblmdef.for /nolist'
include 'src\$:embspdef.for /nolist'

byte Lun character*1 option record_length integer*4 integer*4 recent search_command_reference_number
buffer(2) integer*4 integer*4 lib\$get vm insert_blink logging_sid_entry_address command_reference_entry_address emb\$\$w_fid_entry_address root_logging_sid_flink root_logging_sid_blink logical*4 integer*4 integer*4 integer*4 integer*4 integer*4 integer*4 (buffer(1),root_logging_sid_flink)
(buffer(2),root_logging_sid_blink) equivalence equivalence logging_sid_entry_count /0/ integer*4 data buffer1(6) integer*4 flink1 integer*4 integer*4 blink1 integer*4 logging_sid root_command_reference_flink root_command_reference_blink integer*4 integer*4 integer*4 command_reference_entry_count (buffer1(1),flink1) (buffer1(2),blink1) equivalence

```
16-Sep-1984 00:20:36
5-Sep-1984 13:54:29
DISK_TAPE_DRIVERS_MSCP_Q
                                                                                                                                VAX-11 FORTRAN V3.4-56 Pag
DISK$VMSMASTER: [ERF.SRC]DUTUDRIVR.FOR; T
                                               (buffer1(3),logging_sid)
(buffer1(4),root_command_reference_flink)
(buffer1(5),root_command_reference_blink)
equivalence
                        equivalence
                       equivalence
                        equivalence
                                               (buffer1(6), command_reference_entry_count)
                                               buffer2(6)
flink2
blink2
                        integer*4
                        integer*4
                        integer*4
                                               command_reference_number
root_emb$$w_hd_entry_flink
root_emb$$w_hd_entry_blink
                        integer*4
                        integer*4
                        integer*4
                        integer*4
                                               emb$$w_hd_entry_count
                                               (buffer2(1),flink2)
(buffer2(2),blink2)
(buffer2(3),command_reference_number)
(buffer2(4),root_emb$$w_hd_entry_flink)
(buffer2(5),root_emb$$w_hd_entry_blink)
(buffer2(6),emb$$w_hd_entry_count)
                       equivalence
                       equivalence
                       equivalence
                       equivalence
                       equivalence
                       equivalence
                        integer*4
                                               buffer3(5)
                        integer*4
                                               flink3
                        integer*4
                                               blink3
                                               emb$$w_hd_entry
error_log_record_number
                        integer*4
                        integer*4
                        integer*4
                                               error_log_record_length
                                               (buffer3(1),flink3)
(buffer3(2),blink3)
(buffer3(3),emb$$w_hd_entry)
(buffer3(4),error_log_record_number)
(buffer3(5),error_log_record_length)
                       equivalence
                       equivalence
                       equivalence
                       equivalence
                       equivalence
                       if (logging_sid_entry_count .eq. 0) then
                       root_logging_sid_flink = %loc(root_logging_sid_flink)
root_logging_sid_blink = root_logging_sid_flink
endif
                       logging_sid_entry_address = root_logging_sid_flink
                       do 100, i = 1, logging_sid_entry_count
                       call movc3 (%val(24),%val(logging_sid_entry_address),buffer1)
                       if (logging_sid .eq. emb$l_hd_sid) then
            10
                       command_reference_entry_address = root_command_reference_flink
                       do 90,j = 1,command_reference_entry_count
                       call movc3 (%val(24),%val(command_reference_entry_address),buffer2)
                        if (command_reference_number .eq. search_command_reference_number)
                        1 then
```

EF

8

Page

```
16-Sep-1984 00:20:36
5-Sep-1984 13:54:29
DISK_TAPE_DRIVERS_MSCP_Q
                                                                                                       VAX-11 FORTRAN V3.4-56 Pag
DISK$VMSMASTER: LERF.SRCJDUTUDRIVR.FOR: T
25
                   insert_blink = root_emb$$w_hd_entry_blink
                   if (emb$$w_hd_entry_count .ne. 0) then
                   call movc3 (%val(12),%val(root_emb$$w_hd_entry_blink),buffer3)
                   if (emb$$w_hd_entry .lt. emb$w_hd_entry) then
                   insert blink = blink3
                   endif
                   endif
                   call movc5 (%val(0),,%val(0),%val(20),buffer3)
                   if (lib$get_vm((20+record_length+16),emb$$w_hd_entry_address)) then
                   call insque (%val(emb$$w_hd_entry_address),%val(insert_blink))
                   emb$$w_hd_entry = emb$w_hd_entry
                   error_log_record_number = recent
                   error_log_record_length = record_length
                   call movc3 (%val(12),emb$$w_hd_entry,
1 %val(emb$$w_hd_entry_address + 8))
                   call movc3 (%val(record_length),emb,%val(emb%%w_hd_entry_address + 20))
                   call movl (-1,%val(emb$$w_hd_entry_address+20+record_length))
0440
0441
                   if (emb$w_hd_entry .eq. 100) then
0442
                   call get_current_label (3,emb$l_hd_sid,emb$b_lm_namlng,emb$t_lm_name,
0444
                   1 emb$w_Tm_unit, Xval(emb$$w_hd_entry_address + 20 + record_length + 47, +30)
0445
0446
                   else if (emb$w_hd_entry .eq. 99) then
0447
0448
0449
0450
0451
0452
0453
0456
0457
0458
                   call get_current_label (3,emb$l_hd_sid,emb$b_sp_namlng,emb$t_sp_name,
1 emb$w_sp_unit, Tval(emb$$w_hd_entry_address+20+record_length+47,*30)
                   endif
                   call movl (emb$$w_hd_entry_address+20+record_length+4,
                   1 %val(emb$$w_hd_entry_address+20+record_length))
         30
                   emb$$w_hd_entry_count = emb$$w_hd_entry_count + 1
                   call movi (emb$$w_hd_entry_count,
                   1 %val(command_reference_entry_address + 20))
                   endif
0460
0461
                   return
0462
                   endif
0464
                   command_reference_entry_address = flink2
0465
0466
         90
                   continue
```

```
16-Sep-1984 00:20:36
5-Sep-1984 13:54:29
DISK_TAPE_DRIVERS_MSCP_Q
                 logging_sid_entry_address = root_logging_sid_flink
                9000
                         BEGINING OF INTERVENING ENTRIES")
                 Endif
                do 150, i = 1, logging_sid_entry_count
                call movc3 (%val(24),%val(logging_sid_entry_address),buffer1)
                command_reference_entry_address = root_command_reference_flink
                do 200,j = 1,command_reference_entry_count
                call movc3 (%val(24),%val(command_reference_entry_address),buffer2)
                emb$$w_hd_entry_address = root_emb$$w_hd_entry_flink
                do 250,k = 1,emb$$w_hd_entry_count
                call movc3 (%val(20),%val(emb$$w_hd_entry_address),buffer3)
                call movc5 (%val(0),,%val(0),%val(512),emb)
                call movc3 (%val(error_log_record_length),
1 %val(emb$$w_hd_entry_address + 20),emb)
                call DISK_TAPE_DRVR_MSCP_DISPATCHER (lun,option,
                  error_log_record_number,
0557
                  %val(emb$$w_hd_entry_address+20+error_log_record_length),
0558
                1 error_log_record_length,k)
0559
0560
                emb$$w_hd_entry_address = flink3
0561
0562
0563
        250
                continue
0564
0565
                command_reference_entry_address = flink2
0566
0567
0568
        200
                continue
                logging_sid_entry_address = flink1
0569
0570
        150
                continue
0571
                return
0574
                 end
```

VAX-11 FORTRAN V3.4-56
DISK\$VMSMASTER: [ERF.SRC]DUTUDRIVR.FOR; T

Page 11

ERVO

Total Space Allocated

SCODE SPDATA 2 SLOC 3 EMB SLOCAL

Name

Bytes Attributes

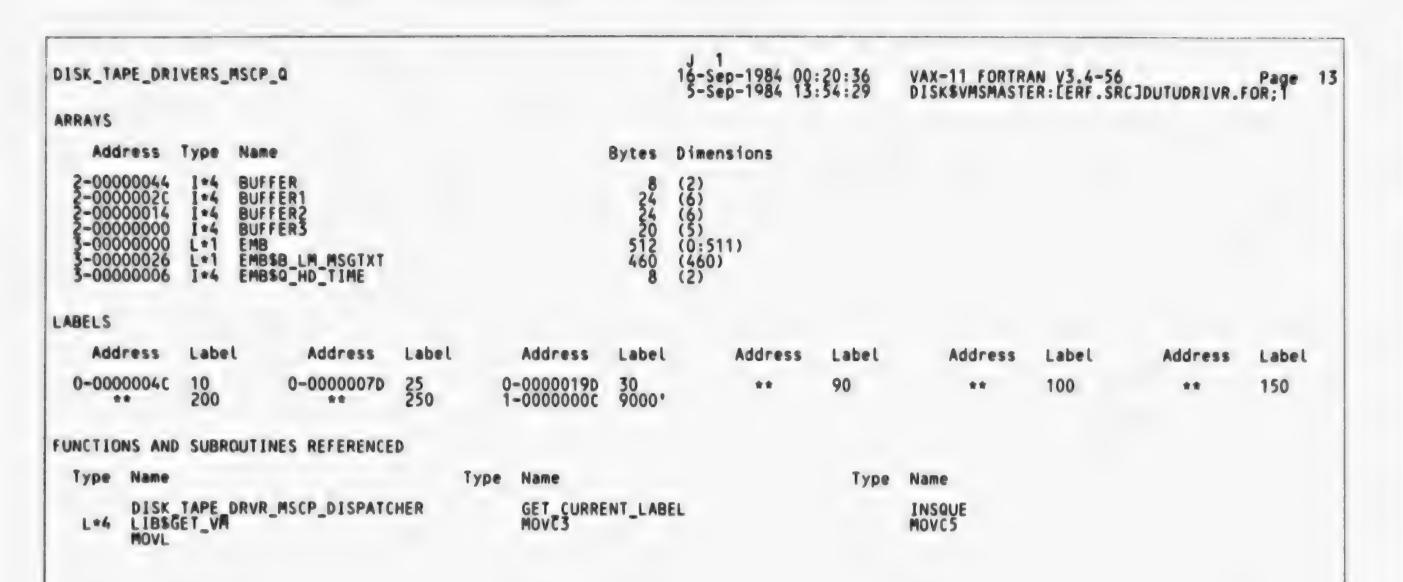
2058

ENTRY POINTS

Address Type Name Address Type Name DISK_TAPE_DRIVERS_MSCP_DQ 0-00000290

VARIABLES

| Address T | ype | Name | Address | Type | Name |
|--------------------|----------------------------------|---|--|-------|--|
| 2-00000030 | 1+4 | BLINK1 | 2-00000018 | 1+4 | BLINK2 COMMAND_REFERENCE_ENTRY_ADDRESS COMMAND_REFERENCE_NUMBER EMB\$\$W_RD_ENTRY_ADDRESS EMB\$B_EM_CLASS EMB\$B_LM_TYPE EMB\$B_SP_NAMLNG EMB\$L_SP_CHAR EMB\$L_SP_CHAR EMB\$L_SP_MEDIA EMB\$L_SP_OWNUIC EMB\$T_LM_NAME EMB\$W_HD_ENTRY EMB\$W_LM_MSGTYP EMB\$W_SP_BOFF EMB\$W_SP_FUNC EMB\$W_SP_UNIT ERROR_LOG_RECORD_NUMBER FLINKZ I |
| 2-00000004 | 1+4 | BLINK3 | 2-00000054 2-0000001C | 1+4 | COMMAND_REFERENCE_ENTRY_ADDRESS |
| 2-00000040 | 1+4 | COMMAND_REFERENCE_ENTRY_COUNT | 2-0000001C | 1+4 | COMMAND_REFERENCE_NUMBER |
| 2-00000008 | 1+4 | EMBSSW_HD_ENTRY | 2-00000058 | 1 * 4 | EMB\$\$W_HD_ENTRY_ADDRESS |
| 2-00000028 | 1 • 4 L • 1 L • 1 L • 1 | COMMAND REFERENCE_ENTRY_COUNT EMB\$\$W_RD_ENTRY EMB\$\$W_HD_ENTRY_COUNT EMB\$B_EM_NAMLNG EMB\$B_SP_CLASS | 2-00000058 3-00000010 3-00000011 3-00000040 | L*1 | EMBSB_LM_CLASS |
| 3-00000014 | F+1 | EMBSB_LM_NAMLNG | 3-00000011 | L+1 | EMBSB_LM_TYPE |
| 3-00000010 | L+1 | EMBSB_SP_CLASS | 5-00000040 | L+1 | EMB\$B_SP_NAMLNG |
| 3-00000011 | Lei | EMBSB SP TYPE EMBSL SP BCNT EMBSL SP CMDREF EMBSL SP IOSB2 EMBSL SP OPCNT EMBSL SP RQPID EMBST SP NAME EMBSW HD ERRSEQ | 3-00000000 | 1 * 6 | EMB2T HD 21D |
| 3-00000014 | 1 *4 | EMBSL_SP_BCNT | 3-00000038 | 1 * 4 | EMB\$L_SP_CHAR |
| 3-0000003c | 1+4 | EMBSL_SP_CMDREF | 3-00000020 | 1 * 4 | EMB2T 25 10281 |
| 3-00000024 | 1+4 | EMB2F 25 10285 | 3-00000018 | 1 *4 | EMB2L_SP_MEDIA |
| 3-0000002c | 1.4 | EMB2L_SP_OPCNI | 3-00000034 | 144 | EMB2T 25 OMMOTO |
| 3-0000001C | I+4 I+4 CHAR | EMB2L_SP_RQPID | 3-00000015 | CHAR | EMBST_LM_NAME |
| 3-00000041 | CHAR | EMB\$1_SP_NAME | 3-00000004 | 1.5 | FWR2M HD FNIKA |
| 3-000000E | I+2 I+2 I+2 I+2 I+4 | EMBRA ND EKKZED | 3-00000024 | 1.5 | FWR2M TW W201Ab |
| 3-00000012 | 1.5 | EMB\$W_LM_UNIT EMB\$W_SP_ERRCNT EMB\$W_SP_STS ERROR_LOG_RECORD_LENGTH | 3-00000012 | 1.5 | FWR2M 2L ROLL |
| 3-00000030 | 1.5 | EMBAM 25 EKKUNI | 3-00000028 | 1.5 | FWR2M-25-LOWC |
| 3-00000032 | 1.5 | FW82A 2L 212 | 3-0000002A | 1.5 | FMR2M 2h ANTI |
| 2-00000010 | 1 *4 | ERROR_LOG_RECORD_LENGTH | 2-0000000C | 1 * 4 | ERROR_LOG_RECORD_NUMBER |
| 5-0 000005C | A | I PAINN I | 2-00000014 | 1 *4 | FLINKS |
| 2-00000000 | 1+4 | FLINKS | 2-00000060 | 1+4 | 1 |
| 2-0000004C | 1 -4 | INSERT_BLINK | 2-00000064 | 1+4 | J |
| 2-00000068 | 1 *4 | K COSCING CIP FAIRN ADDRESS | 2-00000054 | 1+4 | LOGGING_SID |
| 2-00000050 | 1.4 | LOGGING_SID_ENTRY_ADDRESS | 2-0000005C AP-000000086 | 1+4 | LOGGING SID ENTRY COUNT OPTION |
| | L+1 | LUN | AP-00000000 | CHAR | DECORD LENGTH |
| AP-00000008a | 1+4 | RECONT | AP-000000046 | 1+4 | RECORD LENGTH |
| 2-0000003C | 1.4 | KUUT CUMMAND KEFEKENCE BLINK | 2-0000038 2-00000020 2-0000044 | 1+4 | RECORD LENGTH ROOT_COMMAND REFERENCE FLINK ROOT_EMB\$\$W RD ENTRY FLINK ROOT_LOGGING_SID_FLINK |
| 2-00000024 | 1.4 | KOOT FURSON HO FULKT RETUK | 2-00000020 | 1 44 | KOOL FURSON NO ENIKE LEINK |
| 2-00000048 | 1.4 | ROOT_COMMAND_REFERENCE_BLINK ROOT_EMB\$\$W_RD_ENTRY_BLINK ROOT_LOGGING_SID_BLINK SEARCH_COMMAND_REFERENCE_NUMBER | 2-00000044 | 1+4 | KOOL TOOGING 21D LINK |
| AP-0000000Ca | 1=4 | SEARCH COMMAND KELEKENCE NOWREK | | | |



V(

0301 0302

0316 0320

Subroutine DUDRIVER_QIO (lun,emb\$w_dv_func) include 'src\$:giocommon.for /nolist' byte Lun integer + 2 emb\$w_dv_func integer*4 qiocode(0:1,0:63) if (giocode(0,0) .eq. 0) then qiocode(1,00) = %loc(io\$_nop)
qiocode(1,01) = %loc(io\$_unload) qiocode(1,08) = %loc(io\$_packack) qiocode(1,10) = %loc(io\$_writecheck)
qiocode(1,11) = %loc(io\$_writepblk)
qiocode(1,12) = %loc(io\$_readpblk) qiocode(1,17) = %loc(io\$_available)
qiocode(1,26) = %loc(io\$_setchar)
qiocode(1,27) = %loc(io\$_sensechar) qiocode(1,32) = %loc(io\$_writelblk)
qiocode(1,33) = %loc(io\$_readlblk)
qiocode(1,35) = %loc(io\$_setmode) qiocode(1,39) = %loc(io\$_sensemode)
qiocode(1,48) = %loc(io\$_writevblk)
qiocode(1,49) = %loc(io\$_readvblk) qiocode(1,50) = %loc(ios_access)
qiocode(1,51) = %loc(ios_create)
qiocode(1,52) = %loc(ios_deaccess) qiocode(1,53) = %loc(ios_delete)
qiocode(1,54) = %loc(ios_modify)
qiocode(1,56) = %loc(ios_acpcontrol)
qiocode(1,57) = %loc(ios_mount) do 10.i = 0.63giocode(0,1) = 33if (qiocode(1,i) .eq. 0) then

qiocode(1,i) = %loc(qio_string)

endif

CHAR CHAR

CHAR

CHAR

CHAR

CHAR CHAR

CHAR

CHAR CHAR

CHAR

ERVO

ERVC

2-00000000 1*4 QIOCODE

512 (0:1, 0:63)

LABELS

Label Address

10

FUNCTIONS AND SUBROUTINES REFERENCED

Type Name

Type Name

CDRPSW_FUNC

I+4 LIBSEXTZV

Subroutine TUDRIVER_QIO (lun,emb\$w_dv_func) include 'src\$:giocommon.for /nolist' byte Lun integer*2 emb\$w_dv_func integer*4 giocode(0:1,0:63) if (giocode(0,0) .eq. 0) then qiocode(1,00) = %loc(ios_nop)
qiocode(1,01) = %loc(ios_unload)
qiocode(1,08) = %loc(ios_packack) qiocode(1,10) = %loc(io\$_writecheck)
qiocode(1,11) = %loc(io\$_writepblk)
qiocode(1,12) = %loc(io\$_readpblk) qiocode(1,17) = %loc(io\$_available)
qiocode(1,21) = %LOC(io\$_dse)
qiocode(1,26) = %loc(io\$_setchar) qiocode(1,27) = %loc(io\$_sensechar)
qiocode(1,32) = %loc(io\$_writelblk)
qiocode(1,33) = %loc(io\$_readlblk) qiocode(1,35) = %loc(ios_setmode)
qiocode(1,39) = %loc(ios_sensemode)
qiocode(1,48) = %loc(ios_writevblk) qiocode(1,49) = %loc(ios_readvblk)
qiocode(1,50) = %loc(ios_access)
qiocode(1,51) = %loc(ios_create) qiocode(1,52) = %loc(ios_deaccess)
qiocode(1,53) = %loc(ios_delete)
qiocode(1,54) = %loc(ios_modify) qiocode(1,56) = %loc(io\$_acpcontrol)
qiocode(1,57) = %loc(io\$_mount) do 10.1 = 0.63giocode(0,i) = 33

if (qiocode(1,i) .eq. 0) then
qiocode(1,i) = %loc(qio_string)

endif

```
E
```

```
B 2
16-Sep-1984 00:20:36 VAX-11 FORTRAN V3.4-56 Page
5-Sep-1984 13:54:29 DISK$VMSMASTER:[ERF.SRC]DUTUDRIVR.FOR;1
 TUDRIVER_QIO
                                         10
                                                                                  continue
                                                                                  call cdrp$w_func (lun.emb$w_dv_func.
1 qiocode(0,lib$extzv(0,6,emb$w_dv_func)))
                                                                                  return
                                                                                  end
PROGRAM SECTIONS
                     Name
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          3 QIOCOMMON
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                    Total Space Allocated
ENTRY POINTS
                    Address Type Name
         0-00000000
                                                                                                 TUDRIVER_Q10
VARIABLES
AP-0000008a I*2 EMB$W_DV_FUNC
3-00000442 CHAR IO$_ABORT
3-000003C2 CHAR IO$_ACPCONTROL
3-00000297 CHAR IO$_CLEAN
3-00000385 CHAR IO$_DEACCESS
3-0000026D CHAR IO$_DIAGNOSE
3-000004CB CHAR IO$_DSE
3-00000276 CHAR IO$_DSE
3-00000276 CHAR IO$_FORMAT
3-000003E2 CHAR IO$_LOADMCODE
3-000003E2 CHAR IO$_MOUNT
3-000003E2 CHAR IO$_READCSR
3-0000009D CHAR IO$_READCSR
3-000002B6 CHAR IO$_READCSR
3-000002B6 CHAR IO$_READCSR
3-000002B6 CHAR IO$_READCSR
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CHAR IOS CREATE
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3-00000369

3-00000393

3-00000065

3-000000071

3-000000000

3-000000000

3-00000169

3-0000014D

3-0000014D

3-0000014D

3-00000209

3-00000209
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16-Sep-1984 00:20:36
5-Sep-1984 13:54:29
                                                                                                                                                                                                                VAX-11 FORTRAN V3.4-56
DISK$VMSMASTER: [ERF.SRC]DUTUDRIVR.FOR; T
TUDRIVER_Q10
                                                                                                                                                                                                                                                                                                      Page 19
                               CHAR IOS SETCHAR
CHAR IOS SETCLOCKP
CHAR IOS SKIPFILE
CHAR IOS STARTDATA
CHAR IOS STARTDATA
CHAR IOS STARTMPROC
CHAR IOS WRITEBUFNCRC
CHAR IOS WRITECHECKH
CHAR IOS WRITEHEAD
CHAR IOS WRITEHEAD
CHAR IOS WRITEMARK
CHAR IOS WRITEPBLK
CHAR IOS WRITETRACKD
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L*1 LUN
    3-0000021D
3-0000088
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                                                                                                                                                         CHAR IOS SETCLOCK
CHAR IOS SETMODE
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CHAR IOS SPACERECORD
CHAR IOS STARTDATAP
CHAR IOS STARTSPNDL
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                                                                                                                             3-00003B8
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  AP-00000004a L+1 LUN
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ARRAYS
         Address Type Name
                                                                                            Bytes Dimensions
    2-00000000 I*4 910CODE
                                                                                                512 (0:1, 0:63)
LABELS
         Address
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                                 10
FUNCTIONS AND SUBROUTINES REFERENCED
    Type Name
                                                        Type Name
                  CDRP$W_FUNC
                                                        I*4 LIBSEXTZV
COMMAND QUALIFIERS
    FORTRAN /LIS=LISS:DUTUDRIVR/OBJ=OBJS:DUTUDRIVR MSRCS:DUTUDRIVR
   /CHECK=(NOBOUNDS,OVERFLOW,NOUNDERFLOW)
/DEBUG=(NOSYMBOLS,TRACEBACK)
/STANDARD=(NOSYNTAX,NOSOURCE_FORM)
/SHOW=(NOPREPROCESSOR,NOINCLODE,MAP)
/F77 /NOG_FLOATING /14 /OPTIMIZE /WARNINGS /NOD_LINES /NOCROSS_REFERENCE /NOMACHINE_CODE /CONTINUATIONS=19
COMPILATION STATISTICS
                                                    11.00 seconds
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375
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DIGITAL EQUIPMENT CORPORATION CONFIDENTIAL AND PROPRIETARY

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